

03050111-030

(Jacks Creek)

General Description

Watershed 03050111-030 is located in Clarendon County and consists primarily of *Jacks Creek* and its tributaries. The watershed occupies 24,269 acres of the Upper Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Faceville-Marlboro-Noboco-Bonneau-Cantey series. The erodibility of the soil (K) averages 0.15; the slope of the terrain averages 5%, with a range of 0-10%. Land use/land cover in the watershed includes: 42.6% agricultural land, 31.8% forested land, 21.9% scrub/shrub land, 2.2% forested wetland, and 1.5% water.

Jacks Creek accepts drainage from Belser Creek (Chapel Creek), Sullivans Branch, and Big Branch (Spring Branch) before flowing into Lake Marion. There are several recreational ponds (totaling 426.1 acres) in this watershed and a total of 43.1 stream miles, all classified FW. The Santee National Wildlife Refuge is an additional natural resource in the watershed.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CW-243	W	FW	BIG BRANCH AT S-14-41
CW-244	W	FW	JACKS CREEK AT S-14-76
SC-013	SC	FW	JACKS CREEK AT S-14-76

Jacks Creek - The Jacks Creek site is sampled by both SCDHEC (**CW-244**) and SCPSA (**SC-013**). Aquatic life uses are fully supported, although a very high concentration of lead was measured in 1995 by SCDHEC. Recreational uses are partially supported due to fecal coliform bacteria excursions in the SCDHEC samples.

Big Branch (CW-243) - Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

A fish consumption advisory has been issued by the Department for mercury and includes portions of Lake Marion within this watershed (see advisory p.34).

Nonpoint Source Management Program

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

Growth Potential

There is a low potential for growth in this watershed. There is a small portion of lakeshore, but the lack of water or sewer services in the area will limit significant growth.